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Claims

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- 1. An equipment in a paper or board machine for mixing fresh stock (M) with water (V) used for dilution of the fresh stock, characterized in that, at the point of mixing (K) of the dilution water (V) and the fresh stock (M) passed from the pipe (13), there is at least one such pipe portion as comprises a wave-shaped form in its connection in the cross-section of the pipe.
- 2. An equipment as claimed in claim 1, characterized in that the dilution water (V) consists of white water.
 - 3. An equipment as claimed in claim 1 or 2, characterized in that the equipment comprises a pipe (12) for passing the return circulation water (O) to the mixing point (K) of fresh stock (M) and white water (V), and that the pipe (13), through which the stock (M) is passed, has been passed coaxially in the interior of the pipe (12).
 - 4. An equipment as claimed in any of the preceding claims, characterized in that the pipe (11) is provided with a wave-shaped form on its wall face.
- 5. An equipment as claimed in the preceding claim, **characterized** in that the wave shape on the inner face of the pipe (11) has been produced by means of form pieces (a₁,a₂,a₃...), which form pieces are of curved cross-section and which have been fitted at a distance from one another on the circumferential measure of the pipe (11) on the inner face of the pipe (11).

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6. An equipment as claimed in any of the preceding claims, characterized in that the pipe (13), which is placed in the interior of the pipe (12), is provided with a wave-shaped face form, in which case the return circulation water (O) that is passed in the pipe (12) is confined by the wave-shaped outer shape of the pipe (13), and the stock (M) that is passed in the pipe (13) is confined by the wave-shaped inner shape of the pipe (13).

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- 7. An equipment as claimed in any of the preceding claims, **characterized** in that the pipe (12), through which the return circulation water (O) is introduced in the pipe (11), is provided with a wave shape, whose form is provided both on the inner face and on the outer face of the pipe, in which connection both the white water (V) flowing in the pipe (11) and the return circulation water (O) passed in the pipe (12) are confined by said wave shape.
- 8. An equipment as claimed in the preceding claim, **characterized** in that the pipe (12) and the pipe (13) have been passed through the curved pipe portion (11) placed below the white-water pit (10) so that the pipes (12 and 13) have been passed through the wall of the pipe (11), and that the pipe (13) projects from the end of the pipe (12), and that the pipe (13) is placed centrally inside the pipe (12).
- 9. An equipment as claimed in any of the preceding claims, **characterized** in that the duct (11) comprises a pump (P) placed after the mixing point (K) of white water, fresh stock, and circulation water in view of passing said materials into the headbox (100) of the paper/board machine.
- 10. An equipment as claimed in any of the preceding claims, characterized in that the pipe (11) becomes narrower in the flow direction of the flow $(L_1 + L_2 + L_3)$.
 - 11. An equipment as claimed in claim 2, characterized in that the white water (V) that is used as the dilution water is passed from the deaeration tank (100) of the short circulation in the paper/board machine.

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12. A method in a paper or board machine for mixing fresh stock (M) with water (V) used for dilution of the fresh stock, **characterized** in that, at the point of mixing (K) of the water (V) used for dilution of fresh stock (M) and the fresh stock (M) passed from the pipe (13), secondary vortexes are formed, which are formed by means of a wave-shaped face form of the pipe (11 and/or 12 and/or 13).

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- 13. A method as claimed in claim 12, characterized in that white water is used as the dilution water (V).
- 14. A method as claimed in the preceding claim, characterized in that the white water is passed from the deaeration tank (100) of the short circulation of the white water in the paper/board machine.